Danial Namazifard
MSc in Artificial Intelligence, Computer Engineering

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Education

University of Tehran   Sept 2022 – Feb 2025
MS.c in Artificial Intelligence, Computer Engineering
- GPA: 4/4
- Thesis: Investigating Multilinguality in Large Language Models
- Advisor: Prof. Yadollah Yaghoobzadeh

University of Science and Culture   Sept 2016 – Sept 2021
BS.c in Safety Engineering
- GPA: 3.81/4
- Ranked 3rd among 60 Safety Engineering Student

Research Interests

- Multilingual NLP
- Memory-Augmented LMs
- Multimodal Reasoning
- Representation Learning
- Interpretability & Explainability
- Multi-Agent Systems

Publications

Isolating Culture Neurons in Multilingual Large Language Models
Danial Namazifard, L. Galke
Submitted to ACL Rolling Review July 2025 Cycle

Comparative Study of Multilingual Idioms and Similes in Large Language Models
P. Khoshtab*, **Danial Namazifard***, M. Masoudi, A. Akhgary, S. Mahdizadeh Sani, Y. Yaghoobzadeh
COLING 2025

Benchmarking Large Language Models for Persian: A Preliminary Study Focusing on ChatGPT
A. Abaskohi, S. Baruni, M. Masoudi, ..., **Danial Namazifard**, P. Sadeghi, Y. Yaghoobzadeh
LREC-COLING 2024

Application of Machine Learning for Modeling and Optimizing ZnO-Based Nanoparticles incorporation in TFN Membranes for Desalination
A. Alvandi, **Danial Namazifard**, SB. Ghaffari AM. Hadian, MH. Sarrafzadeh
Submitted to The Desalination and Water Treatment Journal

Research Experience

Remote Collaborator at the University of Hamburg   Jun 2025 – Present
Under Supervision of Prof. Anne Lauscher
- Revealing Fine-Grained Values and Opinions in Multilingual Large Language Models

Remote Collaborator at the University of Southern Denmark   Mar 2025 – Present
Under Supervision of Prof. Lukas Galke
- Isolating Culture Neurons in Multilingual Large Language Models
  (ACL Rolling Review July 2025 Cycle)

Graduate Research Assistant at the University of Tehran   Jan 2023 – Present
Under Supervision of Prof. Yadollah Yaghoobzadeh
- Benchmarking Large Language Models for Persian: A Preliminary Study Focusing on ChatGPT
  (LREC-COLING 2024)
- Comparative Study of Multilingual Idioms and Similes in Large Language Models
  (COLING 2025)

Research Assistant at the Institute for Research in Fundamental Sciences(IPM)   Jul 2023 – Jan 2024
Under Supervision of Prof. Dara Rahmati
- Leveraging cutting-edge technologies and analytical tools to gain insights into the complex interplay between Artificial Intelligence and Financial markets, using Deep Reinforcement Learning.

Teaching Experience

Large Language Models, Prof. Mohammad Javad Dousti and Prof. Yadollah Yaghoobzadeh   Sp. 2024

Natural Language Processing, Prof. Heshaam Faili   Sp. 2024

Honors and Awards

Admission to the University of Tehran, successed in university graduate entrance exam

Exempted from university entrance exam for M.Sc program, offered M.Sc program in the University of Science and Culture

Iran's Elites Foundation Membership

Skills

Programming Languages: Python, C++, SQL, MATLAB
Technologies: Git, Docker, Jupyter, Google Colab, LaTeX
Tools: PyTorch, Tensorflow, Keras, Matplotlib, sklearn, Pandas, NumPy, PySpark, NLTK, spaCy, Gensim, CUDA, GraphQL, PowerBI
Operating Systems: Linux (Ubuntu), Windows

Languages

English, Fluent (C1 level, IELTS score: 7)
Persian, Native

Professional Development

The following Online Courses Were Taken to Acquire Skills Relevant to My Research

Machine Learning Specialization, Coursera.org - Aug 2022
Deep Learning Specialization, Coursera.org - Sept 2022
Neural Networks and Deep Learning, Coursera.org - Oct 2022
Natural Language Processing with Deep Learning, Stanford.edu - Mar 2023
Functions, Tools and Agents with LangChain, DeepLearning.ai - Jan 2024
Generative AI with LLMs, DeepLearning.ai - Mar 2024

Notable Projects

Natural Language Processing Course Assignments @ University of Tehran (Sp. 2023), Including Tokenization, Naive Bayes, RNN, LSTM, Transformers, Machine Translation, Chatbot, and NLU

Foundational Models in NLP Course Assignments @ University of Tehran (F. 2023), Including LLMs Fine-tuning, Prompt Engineering, LoRA, QLoRA, RLHF, Multilinguality, and Evaluation

Machine Learning Course Assignments @ University of Tehran (F. 2023), Including Linear Regression, Logistic Regression, Decision Tree, K Means Clustering, SVM, Kernel, and PCA

Artificial Neural Network Course Assignments @ University of Tehran (F. 2023), Including MLP, CNN, RCNN, BRCNN, RNN, Transformers, and GAN

References

Yadollah Yaghoobzadeh, y.yaghoobzadeh@ut.ac.ir   University of Tehran
Lukas Galke, galke@imada.sdu.dk   University of Southern Denmark
Mohammad Javad Dousti, mjdousti@ut.ac.ir   University of Tehran
Heshaam Faili, hfaili@ut.ac.ir   University of Tehran